

CLAIMS

1. Method of current management in a battery powered device, the method comprising the following steps:
 - 5 a- comparing the actual supply voltage from the battery with a fixed reference voltage,
 - b- generating a control signal whenever the supply voltage is below the reference voltage,
 - 10 c- use the control signal to reduce the load current in the battery powered device, whereby the supply voltage from the battery will increase,
 - d- repeat steps a,b and c as long as the supply voltage is below the reference voltage.
- 15 2. Method as claimed in claim 1, wherein the battery powered device is an amplifier in a hearing aid, and whereby the repetition frequency of steps a,b and c is higher than the highest audio frequency of the hearing aid.
- 20 3. Method as claimed in claim 2 where the reference voltage is above a critical supply voltage of the hearing aid.
4. Method of current management as claimed in claim 1 or 2, wherein the battery is a zinc-air battery.
- 25 5. Method of current management as claimed in claim 1 or 2, wherein the battery is a rechargeable battery.
6. Battery powered device with a battery giving a supply voltage to the device, whereby means are provided for generating a fixed reference voltage and means for comparing the supply voltage with the reference voltage, and where the comparing means are arranged to deliver a control signal to the device whenever the supply voltage is below the reference voltage, and where the
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device has means for reducing its current load at the receipt of the control signal.

7. A battery powered device as claimed in claim 6, where the device is an output amplifier in a hearing aid, and where the comparing means are arranged to conduct the comparing at a repetition frequency, which is above the highest audio frequency of the hearing aid.
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8. A battery powered device as claimed in claim 6, where the battery is a zinc-air battery.
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9. A battery powered device as claimed in claim 6, where the battery is a rechargeable battery.